

IN THE CLAIMS:

1. (Currently Amended) A brush holder device for use in a small-size motor including a brush arm connected at one end to an input terminal for external electrical connection and supporting at an opposite end a brush, comprising:

a brush including an integrally formed engagement portion;

a brush arm having an engagement hole formed therein, the engagement hole assuming substantially the same shape as that of the engagement portion of said brush, and including brush arm brush contact portions located at laterally opposite edges of the engagement hole; and

a holder having an engagement hole formed therein and holder brush contact portions formed via bending, said holder being made of a material having lower spring properties than said brush arm, the engagement hole assuming substantially the same shape as that of the engagement portion of said brush, said holder being fixed to said brush arm such that the engagement hole of said holder is aligned with the engagement hole of said brush arm, said brush arm brush contact portions extending through said engagement hole of said holder, whereby one of said brush arm brush contact portions is adjacent to one of said holder brush contact portions;

wherein said holder brush contact portions are formed on said holder along opposite edges defining said engagement hole of said holder, one edge of said holder being opposite another edge of said holder in a longitudinal direction of said brush arm, said engagement portion of said brush being press-fitted into the engagement holes of said holder and said brush

arm, whereby said engagement portion of said bush is fixed to said holder and said brush arm via said holder brush contact portions and said brush arm brush contact portions.

2. (Canceled)

3. (Previously Presented) A brush holder device for use in a small-size motor according to claim 1, wherein said holder includes fins formed through bending along opposite ends thereof, the ends being opposite in a longitudinal direction of said brush arm.

4. (Previously Presented) A brush holder device, comprising:

a brush including an integrally formed engagement portion having a first side, a second side, a third side and a fourth side;

5 a brush arm having a defined engagement hole, said engagement hole having substantially the same shape as that of said engagement portion of said brush, said brush arm including a first brush contact portion located at one edge defining said engagement hole and a second brush contact portion located at another edge defining said engagement hole, said first brush contact portion being opposite said second brush contact portion, said first brush contact portion and said second brush contact portion extending in a longitudinal direction of said brush
10 arm; and

a holder having a defined brush receiving hole, said brush receiving hole having substantially the same shape as that of the engagement portion of said brush, said holder

including a third brush contact portion located at an edge defining said brush receiving hole and a fourth brush contact portion located at another edge defining said brush receiving hole, said third brush contact portion being opposite said fourth brush contact portion in a longitudinal direction of said brush arm, said holder being connected to said brush arm such that said engagement hole aligns with said brush receiving hole and said first brush contact portion and said second brush contact portion of said brush arm extends through said brush receiving hole, said engagement portion of said brush extending through said engagement hole and said brush receiving hole such that said first brush contact portion engages said first side of said brush, said second brush contact surface engages said second side of said brush, said third brush contact portion engages said third side of said brush and said fourth brush contact portion engages said fourth side of said brush, whereby said brush is connected to said holder and said brush arm.

5. (Previously Presented) A brush holder device according to claim 4, wherein said holder includes fins formed through bending along opposite ends thereof, the ends being opposite along a longitudinal direction of said brush arm.

6. (Previously Presented) A brush holder device, comprising:
a brush including an integrally formed engagement portion;
a first brush mounting element having a defined engagement hole, said engagement hole having substantially the same shape as that of said engagement portion of said brush, said first brush mounting element including a first brush contact portion located at one edge defining said

engagement hole and a second brush contact portion located at another edge defining said engagement hole, said first brush contact portion being opposite said second brush contact portion; and

10 a second brush mounting element having a defined brush receiving hole, said brush receiving hole having substantially the same shape as that of the engagement portion of said brush, said second brush mounting element including a third brush contact portion located at an edge defining said brush receiving hole and a fourth brush contact portion located at another edge defining said brush receiving hole, said third brush contact portion being opposite said fourth brush contact portion, said third brush contact portion and said fourth brush contact portion defining a longitudinal length of said brush receiving hole of said second brush mounting element, said first brush contact portion and said second brush contact portion of said first brush mounting element having a length corresponding to said longitudinal length of said brush receiving hole of said second brush mounting element, said first brush mounting element being connected to said second brush mounting element such that said engagement hole is in alignment with said brush receiving hole, said first brush contact portion and said second brush contact portion extending through said brush receiving hole, said engagement portion of said brush extending through said engagement hole and said brush receiving hole such that said first, second, third and fourth brush contact portions are in direct contact with said engagement portion, whereby said brush is connected to said holder and said brush arm via said first, second, third and fourth brush contact portions.

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7. (Previously Presented) A brush holder device according to claim 6, wherein said holder includes fins formed through bending along opposite ends thereof, the ends being opposite along a longitudinal direction of said brush arm.

8 -13. (Canceled)

14. (Previously Presented) A brush holder device according to claim 4, wherein said first brush contact portion and said second brush contact portion of said brush arm have a length corresponding to a longitudinal length of said brush receiving hole of said holder.

15. (Previously Presented) A brush holder device according to claim 4, wherein said holder is composed of a material having a first modulus of elasticity, said brush arm being composed of another material having a second modulus of elasticity, said first modulus of elasticity being greater than said second modulus of elasticity.

16. (Previously Presented) A brush holder device according to claim 14, wherein said holder is composed of a material having a first modulus of elasticity, said brush arm being composed of another material having a second modulus of elasticity, said first modulus of elasticity being greater than said second modulus of elasticity.

17. (Currently Amended) A brush holder device according to claim 6, wherein said first

brush mounting element is composed of a material having a first modulus of elasticity, said second brush mounting being composed of another material having a second modulus of elasticity, said second modulus of elasticity being greater than first ~~second~~ modulus of elasticity.

18. (Previously Presented) A brush holder device according to claim 4, wherein said holder has a thickness that is greater than a thickness of said brush arm.

19. (Previously Presented) A brush holder device according to claim 6, wherein said second brush mounting element has a thickness that is greater than a thickness of said first brush mounting element.